



JC10 Rec'd PCT/PTO 20 JUL 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Sanders et al.

Application No.: 10/537,280

Filed: 5/27/2005

Title: Binding Partners for the Thyrotropin Receptor and Uses Thereof

Attorney Docket No.: URQU.P-016

Group Art Unit:

Examiner:

Assistant Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants request that the references listed on form PTO 1449, which is attached, be made of record in the US Patent and Trademark Office in the file relating to the above-captioned application. Copies of the listed non-US and non-patent references are enclosed.

This paper is submitted within three months of the filing date. Accordingly, no fee should be due. The Commissioner is authorized to charge any fees due in connection with this paper or credit any overpayment to Deposit Account No. 15-0610.

Respectfully submitted,

<p>Cert. Under 37 CFR 1.8 This paper and the attachments named herein are being deposited with the United States Postal Service with sufficient postage as first class mail and addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on</p> <p>JUL 18 2005</p> <p>Name <u>Sandra J. Lahmann</u></p> <p>Signature <u>Sandra J. Lahmann</u></p>
--

Marina T. Larson
Marina T. Larson, Ph.D
Attorney/Agent for Applicant(s)
Reg. No. 32038

(970) 468 6600



Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

(Use as many sheets as necessary)

Complete if Known

Filing Date

First Named Inventor	Sanders et al.
----------------------	----------------

Art Unit

Examiner Name

Attorney Docket Number	URQU.P-016
------------------------	------------

Sheet	1	of	2
-------	---	----	---

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of US PTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/537,280
Filing Date	
First Named Inventor	Sanders et al.
Art Unit	
Examiner Name	
Attorney Docket Number	URQU.P-016

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CHAZENBALK ET AL., Thyroid-stimulating autoantibodies in Graves disease preferentially recognize the free A subunit, Journal of Clinical Investigation, 07/2002, Page(s) 209-217, Volume 110, Number 2	
		CUNDIFF ET AL., Studies using recombinant fragments of human TSH receptor reveal apparent diversity in the binding specificities . . . , Journal of Clinical Endocrinology and Metabolism, 09/2001, Page(s) 4254-4260, Volume 86, Number 9	
		VAN DER HEIJDEN ET AL., Limitations of the semisynthetic library approach for obtaining human monoclonal autoantibodies to the thyrotropin receptor of Graves' disease, Clinical and Experimental Immunology, 1999, Page(s) 205-212, Volume 118	
		AKAMIZU ET AL., Characterization of Recombinant Monoclonal Anti thyrotropin Receptor Antibodies (TSHRABs) Derived from Lymphocytes of Patients with Graves' Disease . . . , Endocrinology, 1999, Page(s) 1594-1601, Volume 140, Number 4	
		SHEPHERD ET AL., Identification of an important thyrotrophin binding site on the human thyrotrophin receptor using monoclonal antibodies, Molecular and Cellular Endocrinology, 1999, Page(s) 197-206, Volume 149	
		SANDERS ET AL., The Interaction of TSH Receptor Autoantibodies with I-Labelled TSH Receptor, The Journal of Clinical Endocrinology & Metabolism, 1999, Page(s) 3797-3802, Volume 84, Number 10	
		VALENTE ET AL., Monoclonal antibodies to the thyrotropin receptor: Stimulating and blocking antibodies derived from the lymphocytes of patients with Graves disease, Proc. Natl. Acad. Sci., 11/1982, Page(s) 6680-6684, Volume 79	
		MISRAHI ET AL., Human thyroid stimulatory hormone receptor (TSHR) mRNA, complete cds, NCBI Accession No: M32215, 1995	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.